

LUKOIL FREO SP 3020 AERO

High quality metalworking fluid for aluminum alloys

Product description

High quality semi-synthetic metalworking fluid, based on highly refined mineral base oil, synthetic ester and specialised additive package. Designed for machining of aluminum alloys, which are sensitive to high alkalinity. Provides high surface quality of machined parts and protection of tools against wear.

Application

Intended for use in general machining operations (grinding, turning, milling, drilling, cutting, etc.). Processed materials: aluminum alloys, including aircraft, cast iron, low carbon and carbon steel, heat resistant steels, titanium and nickel alloys.

Benefits

EXCELLENT TRIBOLOGICAL CHARACTERISTICS

High lubricity, high anti-seize and anti-wear properties

LOW FOAMING

The additives in the composition guarantee low foaming, including in systems with high supply pressure

The product name in an order: Metalworking fluid LUKOIL FREO SP 3020 AERO, STO 79345251-258-2020

Typical test data

The information given in the typical data does not constitute a specification and can be affected by allowable production tolerances. The right to make modifications is reserved by OOO «LLK-International»

Property	Test methods	Value
Appearance	-	Homogeneous oily liquid
Corrosion activity of 3% emulsion in distilled water by drip method, cast iron	GOST 6243 p.2	Pass
Storage stability	GOST 6243 p.6	Pass
Density at 20 °C, kg/m ³	GOST 3900	914
pH 5% emulsion in water of total hardness 4.6 mg·eq/dm ³	GOST 6243 p.4	9.1
Refractometer correction factor	-	1.0

Recommended concentration of emulsion

Operation type	Emulsion concentration, %
Grinding	4-5
Turning, cutting, drilling	5-8
Milling, threading	6-9